

GEOGRAPHY PAPER 312/2 K.C.S.E 1998

SECTION A

Answer all the questions in this section

1. (a) what is urbanization?
(b) State three factors which have led to the development of Mombasa as a major sea port in the region

2. (a) State three physical conditions necessary for the location of hydroelectric power dam

(b) Apart from production of hydro- electric power, name two other benefits of Kariba dam

3. (a) Give three reasons why road transport is used more than air transport in East Africa
(b) In what three ways does Kenya benefit from air links with the rest of the World?

4. List for problems that are experienced in pyrethrum farming in Kenya
5. (a) What is soil conservation
(b) State three farming methods that assist in soil conservation

SECTION B

6. Study the photograph below and answer question (a)

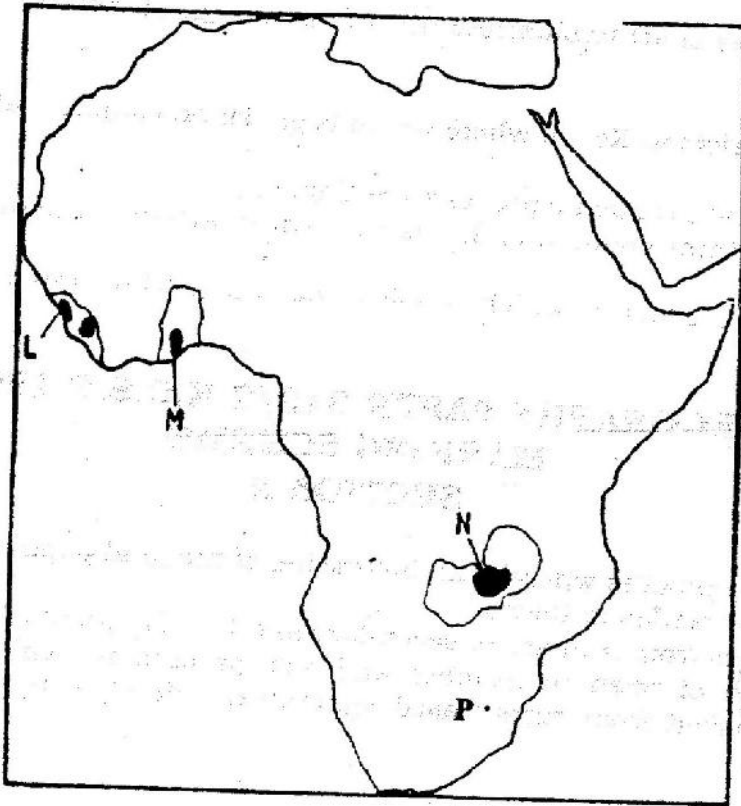


- (a) (i) Draw a rectangle 16cm by 10 cm to represent then area of the Photograph
(ii) On the rectangle, show the following
(iii) If the train shown on the photograph was traveling to Mombasa, Name two export commodities it is likely to be carrying
(iv) Describe the distribution of the vegetation in the area shown on the photograph.

(b) Explain five factors that limit the exploitation of tropical rain forest in Africa.

(c) Explain three measures being taken to conserve forests in Kenya

7. Use the map of Africa below to answer questions (a)



(a) name:

(i) The main minerals mined in the shaded area marked L,M,N (3mks)

(ii) The mining town marked P (1mk)

(b) (i) Apart from deep shaft mining, name three other mining methods (3mks)

(ii) Describe how shaft mining is carried out (6mks)

(c) Explain four ways in which mining contributes to the economy of Kenya (8mks)

(d) State four negative effects of mining on the environment (4mks)

8. (a) (i) What is industrialization (2mks)

(ii) Name a town in Kenya where each of the following industries are located

❖ Oil refining (1mk)

❖ Paper manufacturing (1mk)

❖ Motor vehicle assembly (1mk)

(b) Explain five factors which influenced the location of iron and steel industry in the Ruhr region of Germany

(c) Give five reasons why the development of the Jua Kali industry is encouraged in Kenya.

9. World wheat production by regions

Region		% of wheat produce
Asia	35	
Europe		22
North America	19	
USSR	16	
Others		8

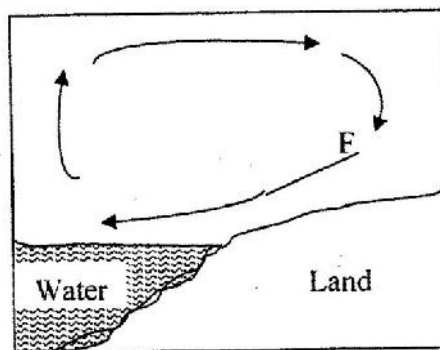
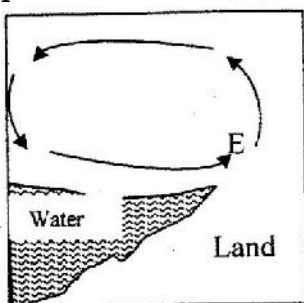
- (a) Draw a pie chart to illustrate the information given above. (5mks)
- (b) Name
- (i) Two districts in Kenya where wheat is grown on commercial scale (2 mks)
- (ii) Two wheat producing provinces of Canada (2mks)
- (c) Explain three conditions that favour wheat farming in Kenya (6 mks)
- (d) Explain five factors which enable Canada to produce more wheat than Kenya (10mks)

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SECTION A

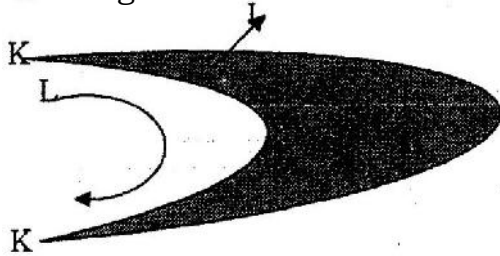
Answer all the questions in this section

1. Give four proofs that the earth is spherical
2. (a) State two conditions considered in choosing a suitable site for a weather station
- (b) Name two weather recording instruments that are placed in a Stevenson's screen
- (c) Give two reasons why weather forecasting is important
3. The diagram below represents the flow of air current. Use them to answer question

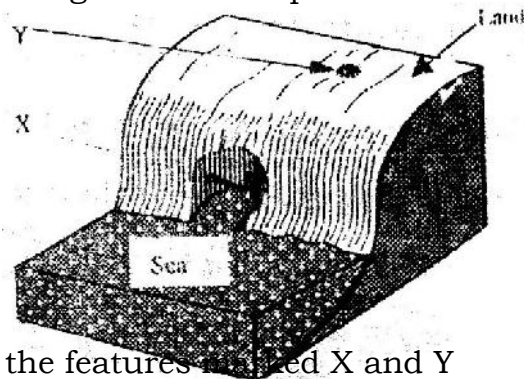


- (a) (i) In your answer booklet, name the air current marked E
- (ii) Why does the air cool as it rises
- (b) Give the reason why air cools as it rises

4. (a) The diagram below shows a barchan



- (ii) Name the air current marked L
 (b) How is an oasis formed?
5. The diagram below represents a coastal landform



- (a) Name the features marked X and Y
 (b) State three conditions necessary for the formation of a sand spit.

SECTION B

Answer questions 6 and two other questions from this section

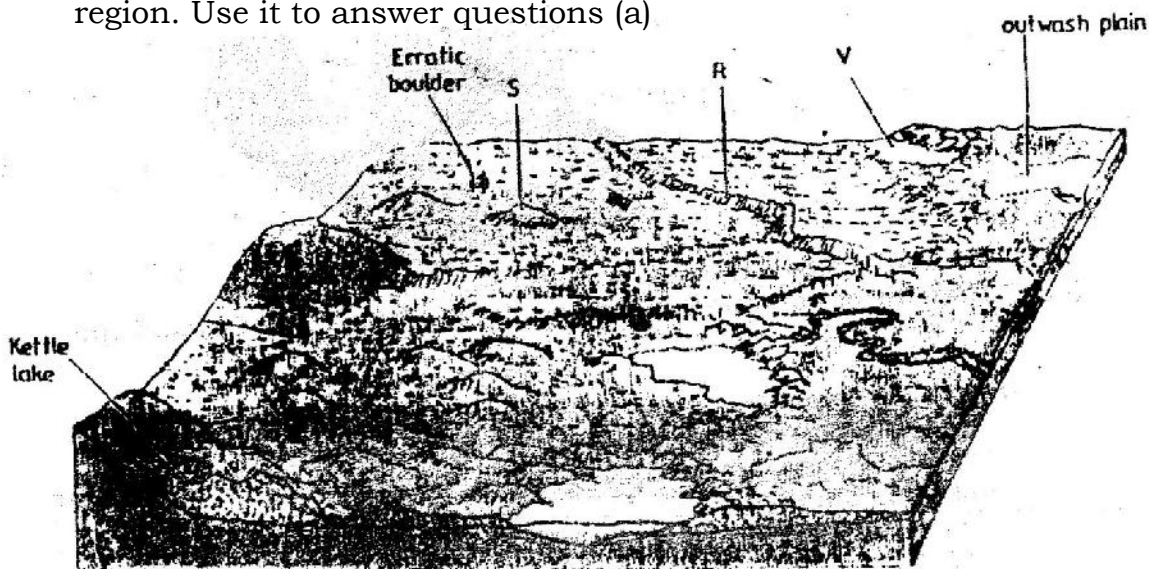
6. Study the map provided. (Yimbo 1:50,000 sheet 115/1) and answer the following questions
- (a) (i) What is the bearing of the air photo principal point in the grid square 3274 from the trigonometrical station in the grid square 2778?
- (ii) Give the latitudinal extent of the area covered by the map
- (b) Draw square 15 cm x 15 cm to represent the area bounded by the Easting 12 and 20 and the Northings 90 and 99

In the square you have drawn, mark and label

- (i) Busia District
- (ii) Lake Sare
- (iii) All weather loose surface road

- (c) Name two features shown on the map that indicate that the area receives low rainfall.
- (d) Citing evidence from the map, state three economical activities carried out in the area covered by the map.
- (e) Describe the relief of the area covered by the map
- (f) Suppose you are a student from Pala school (grid square 2793) and are planning to carry out a field on the velocity of the part of river Yala shown on the map.
 - (i) What preparations are likely to make for the study?
 - (ii) State three problems you are likely to experience during the field study
 - (iii) State two follow – up activities you are likely to carry out after the field study.

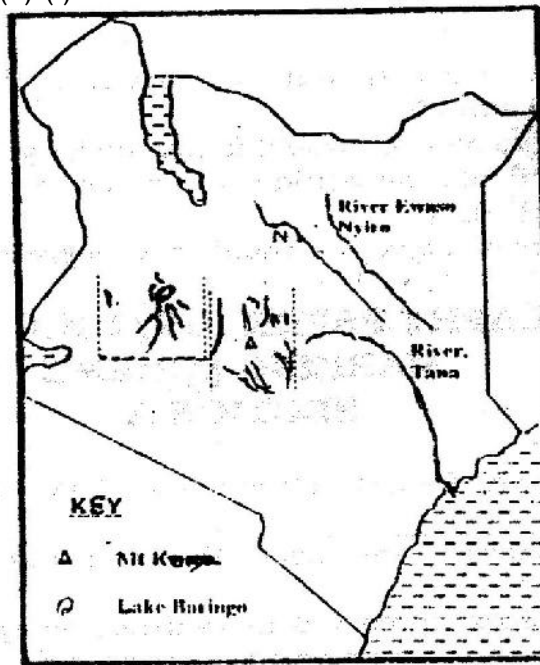
7. The block diagram below shows the feature resulting from glaciating in a lowland region. Use it to answer questions (a)



- (a) In your answer booklet, name the features marked R, S, and V
- (b) Explain three conditions that may lead to glacial deposition in lowlands
- (c) Describe the process involved in the formation of
 - (i) Moraine dammed lake
 - (ii) Outwash plain

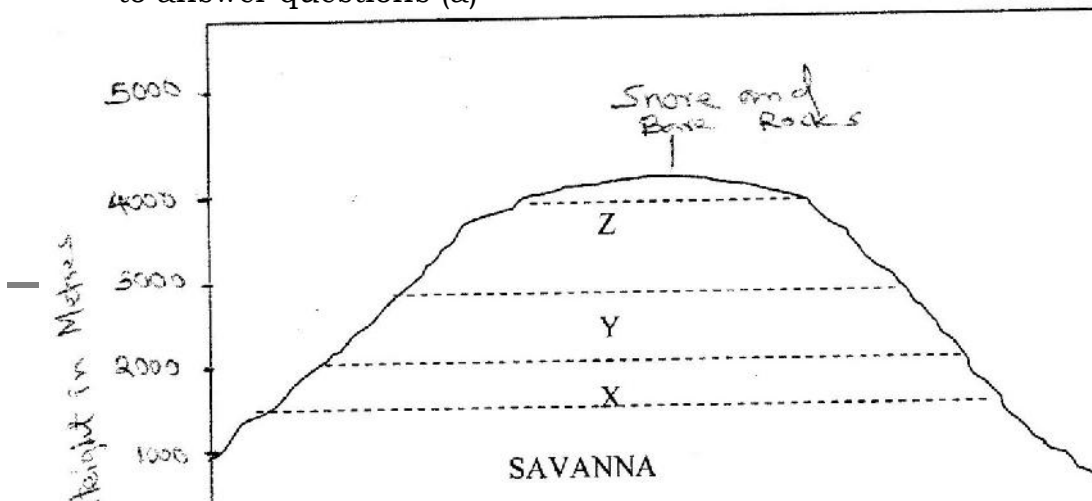
- (d) Suppose you were to carry out field study of land use in glaciated lowland.
- (i) Apart from conducting oral interviews, state four other methods you would use to collect information
 - (ii) State three advantages of using oral interview to collect information during a field study.
 - (iii) State three possible land uses you are likely to identify during the field study
8. (a) describe how a river erodes its channels by the following process.
- (i) Hydraulic action
 - (ii) Abrasion
- (b) (i) Explain three factors that lead to rejuvenation of a river
- (ii) Describe the process of a river capture.

The map below shows some drainage patterns of some river systems in Kenya. Use it to answer questions (c) (i)



- (c) (i) Identify the drainage patterns labeled I, M and N
- (ii) Describe the formation of a braided drainage pattern

9. The diagram below represents zones of natural vegetation on a mountain use it to answer questions (a)



- (a) (i) In your answer booklet, name the zones marked X,Y and Z
(ii) Describe the characteristics of a tropical Savannah vegetation
(iii) State two reasons why the mountaintop has no vegetation
- (b) Explain three factors that have led to a decline of the natural grassland in Kenya.
- (c) Suppose you were to carry out a field study on the relationship between vegetation and altitude
- (i) State three objectives you would formulate for your study
- (ii) State three methods you would use to record the information collected during the field study
- (iii) Name two types of maps you would draw to present your findings.

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SECTION A

Answer all the questions in this section

1. Give four reasons why wildlife conservation is encouraged in Kenya
2. State three problems facing commercial poultry farming in Kenya
3. (a) (i) Apart from providing power state three other benefits of the dams along river Tana
(ii) State two problems that affect hydroelectric power production along river Tana
(b) State two factors that hinder the expansion of geothermal power production in Kenya
4. (a) Give three advantages of railway over road transport
(b) The map below shows the extent of the oil pipeline in Kenya. Use it to answer question (b) (i)

